

Figure No. 1 Memory and Storage Requirements

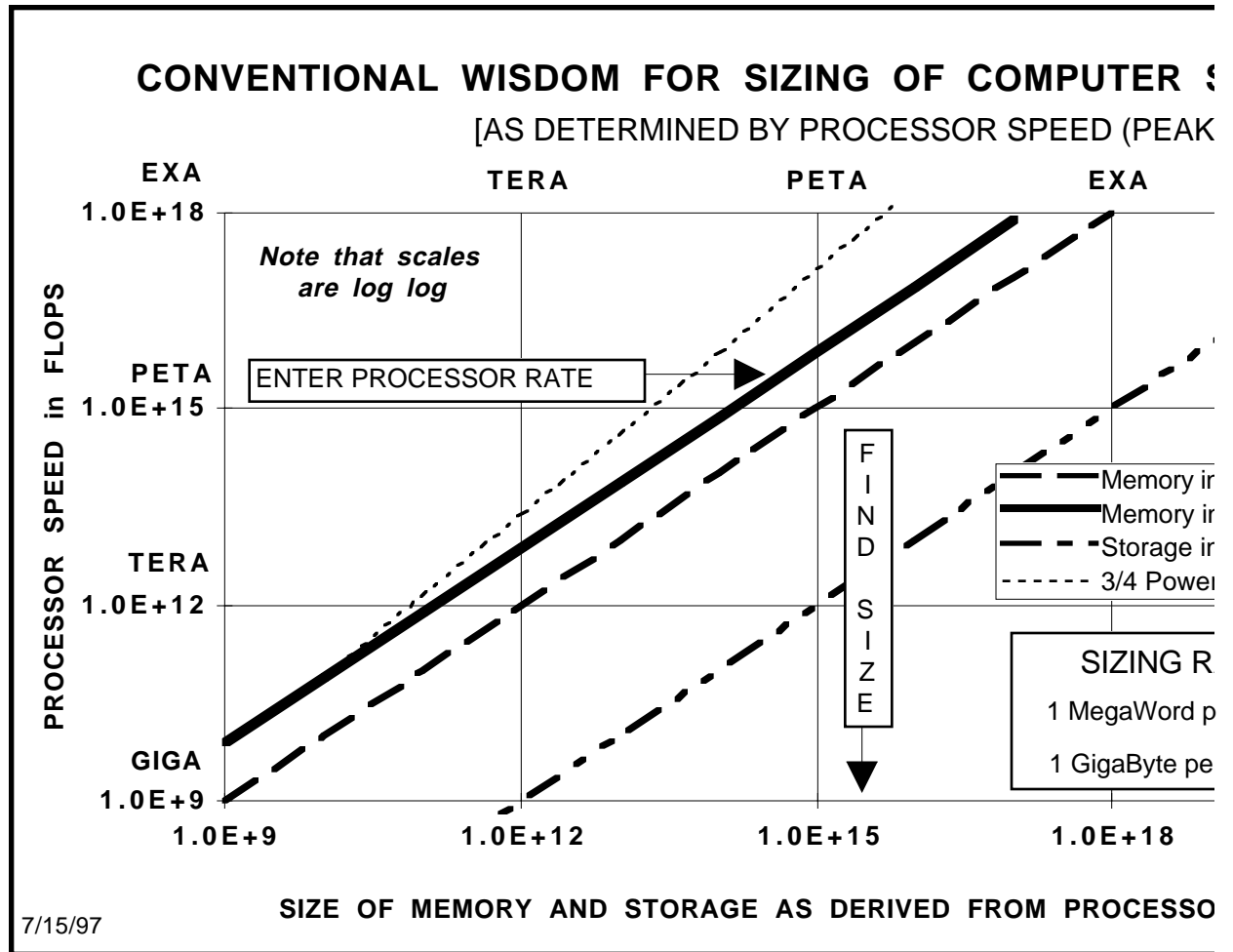


Figure No. 1 Memory and Storage Requirements

Figure No. 2 Possible Target Date for a PetaFLOPS System

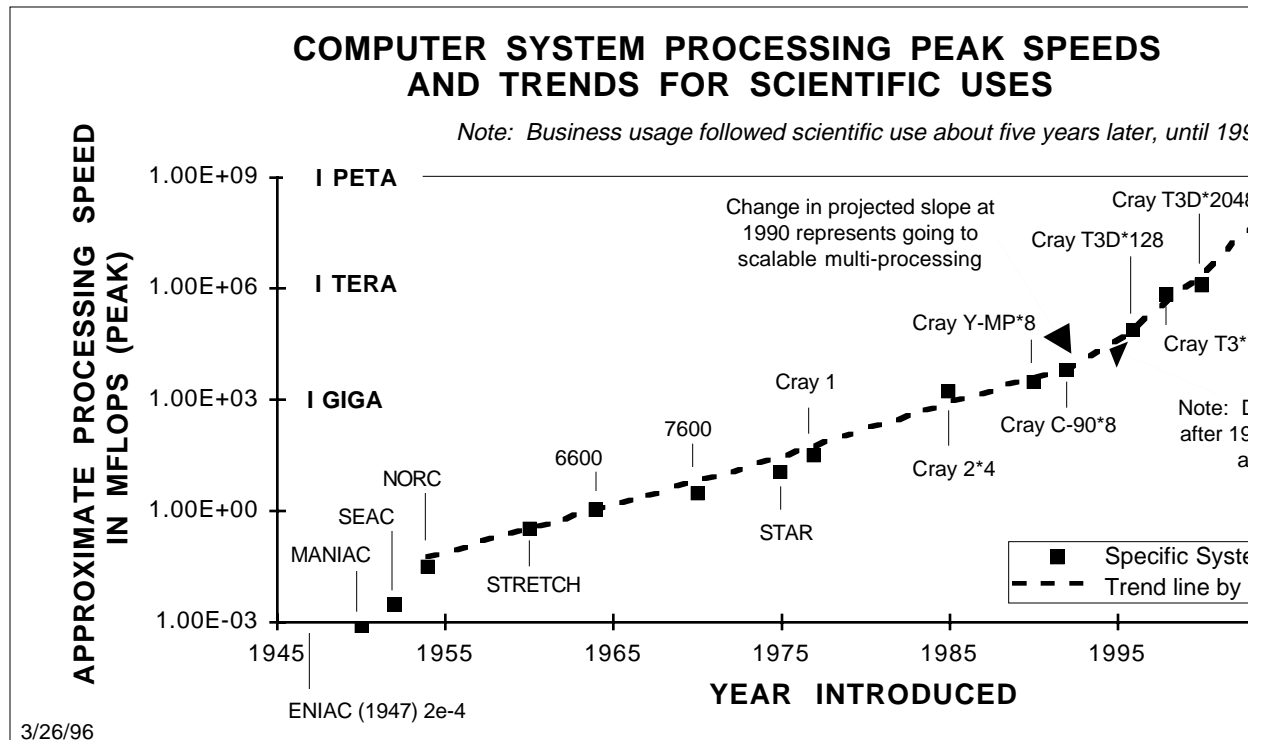


Figure No. 2 Possible Target Date for a PetaFLOPS System

File = Peta/Grow

Figure No. 3 Potential Cost for a Petaflops System Today

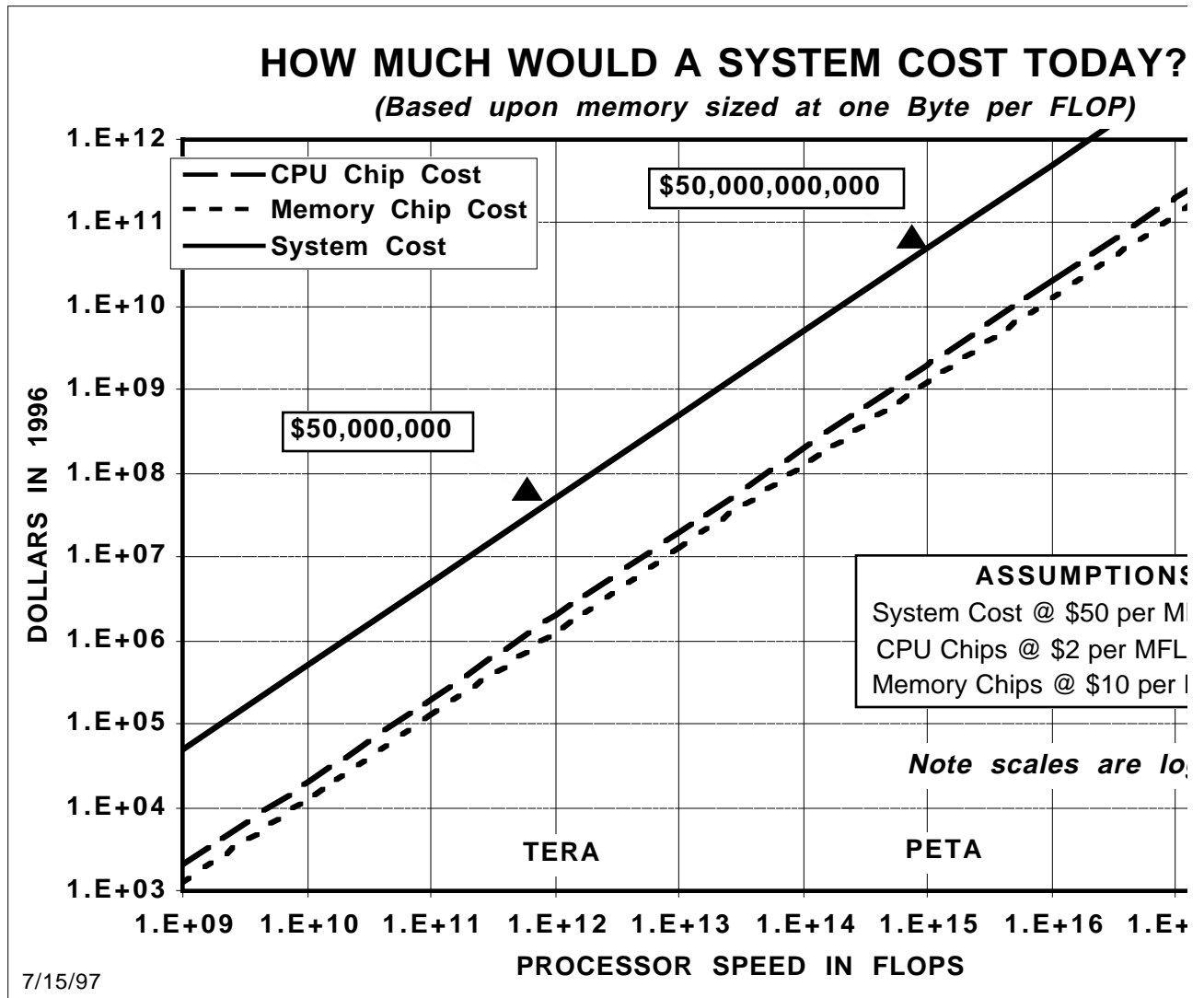


Figure No. 3 Potential Cost for a Petaflops System Today

Figure No. 4 SIA Roadmap for Performance Growth for Dynamic RAM

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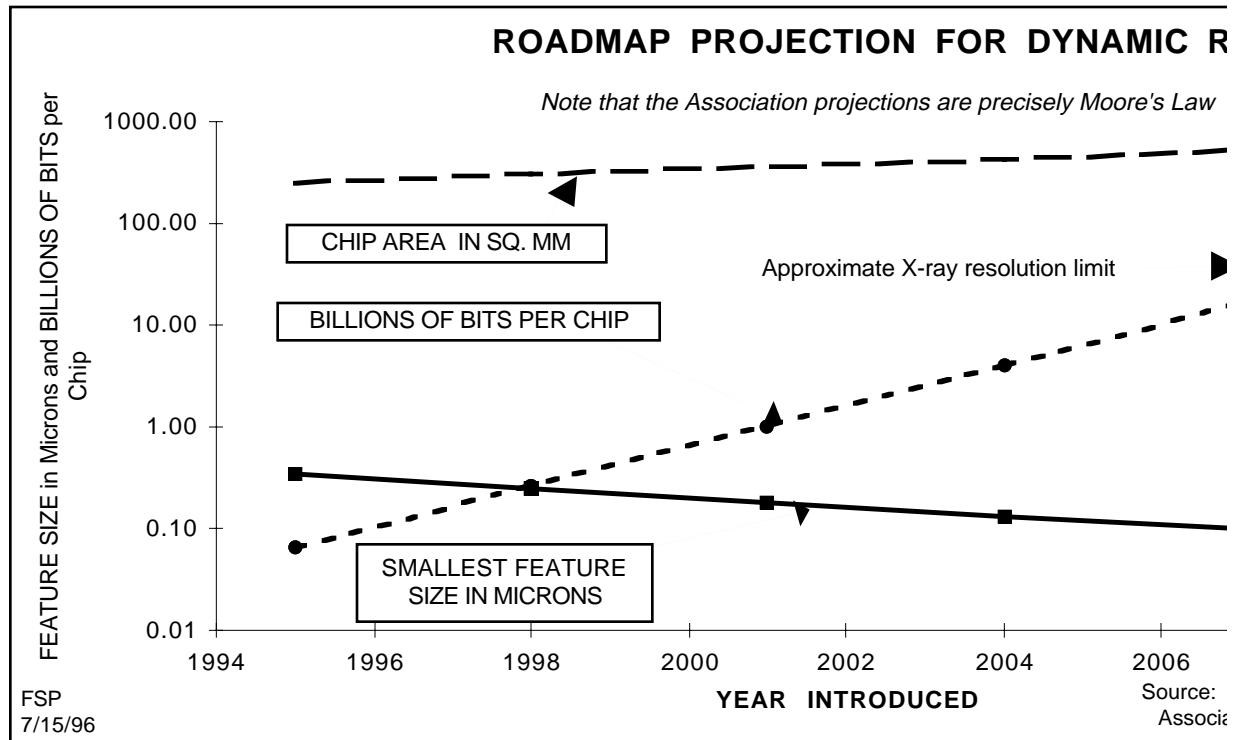


Figure No. 5 SIA Roadmap for Microprocessors

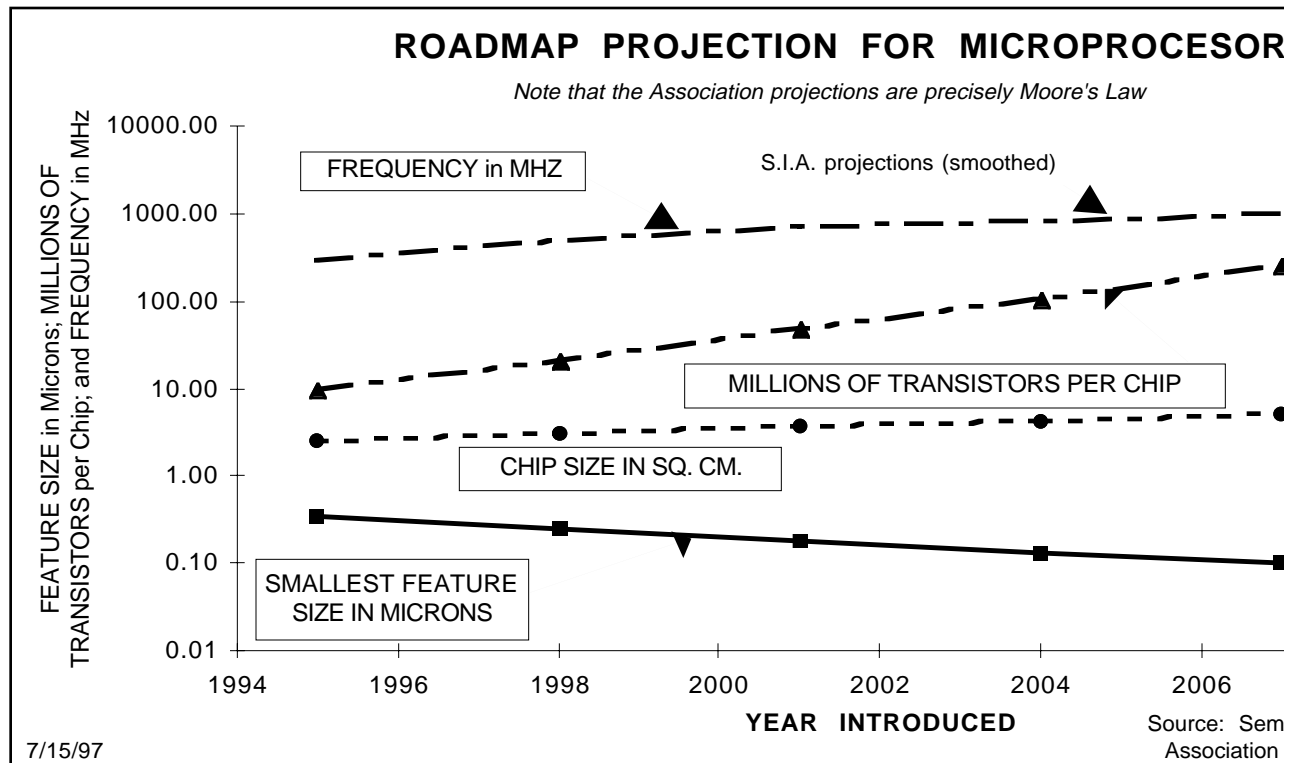
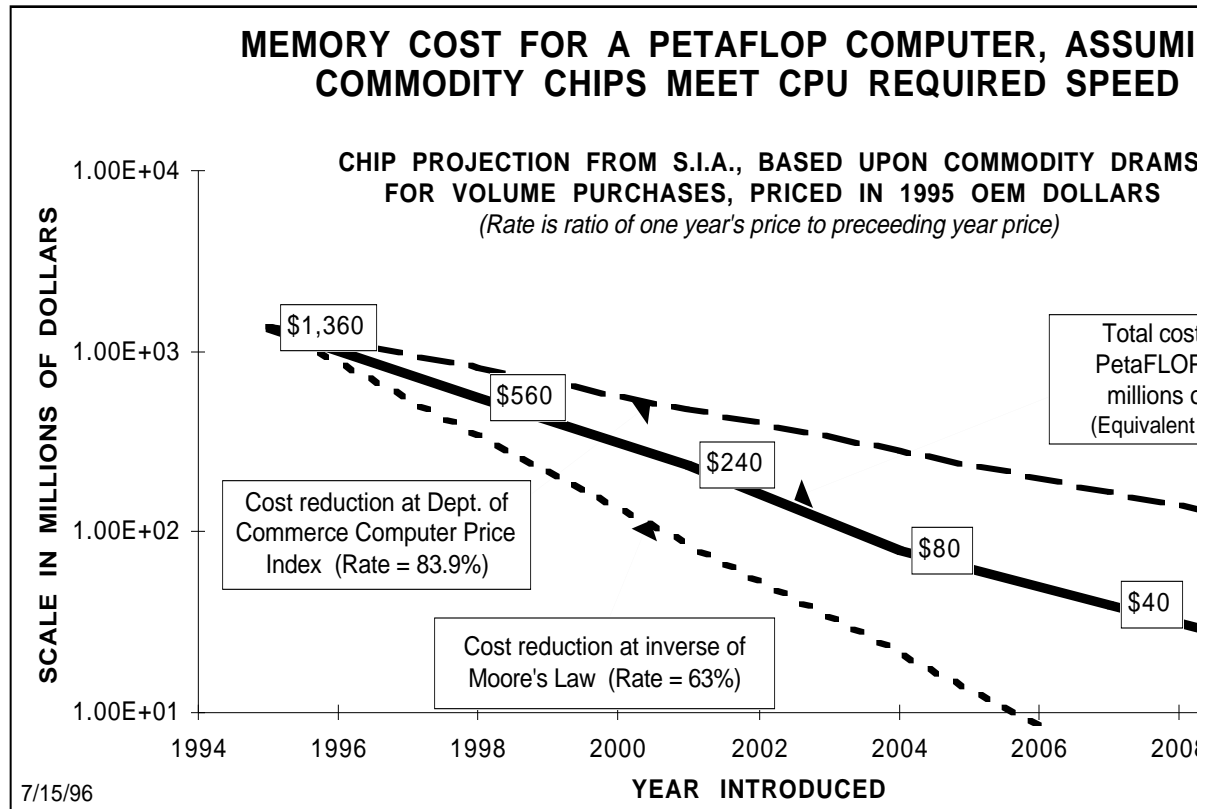


Figure No. 5 SIA Roadmap for Microprocessors

**Figure No. 6 Memory Cost Derived from SIA Roadmap for DRAMS**

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File = Peta/Charts/Semiconductions/Drams/SIA cost@volume

Figure No. 7 Possible Cost for Processors, Assuming Commodity CPU Chips

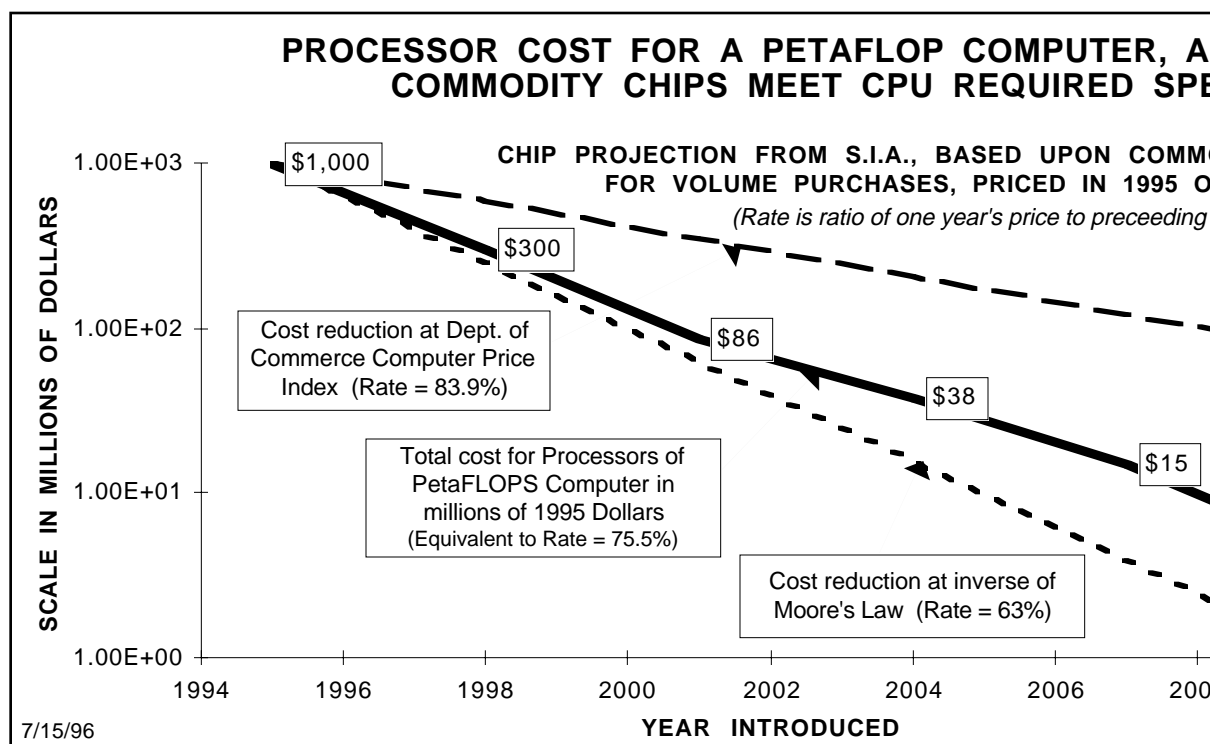
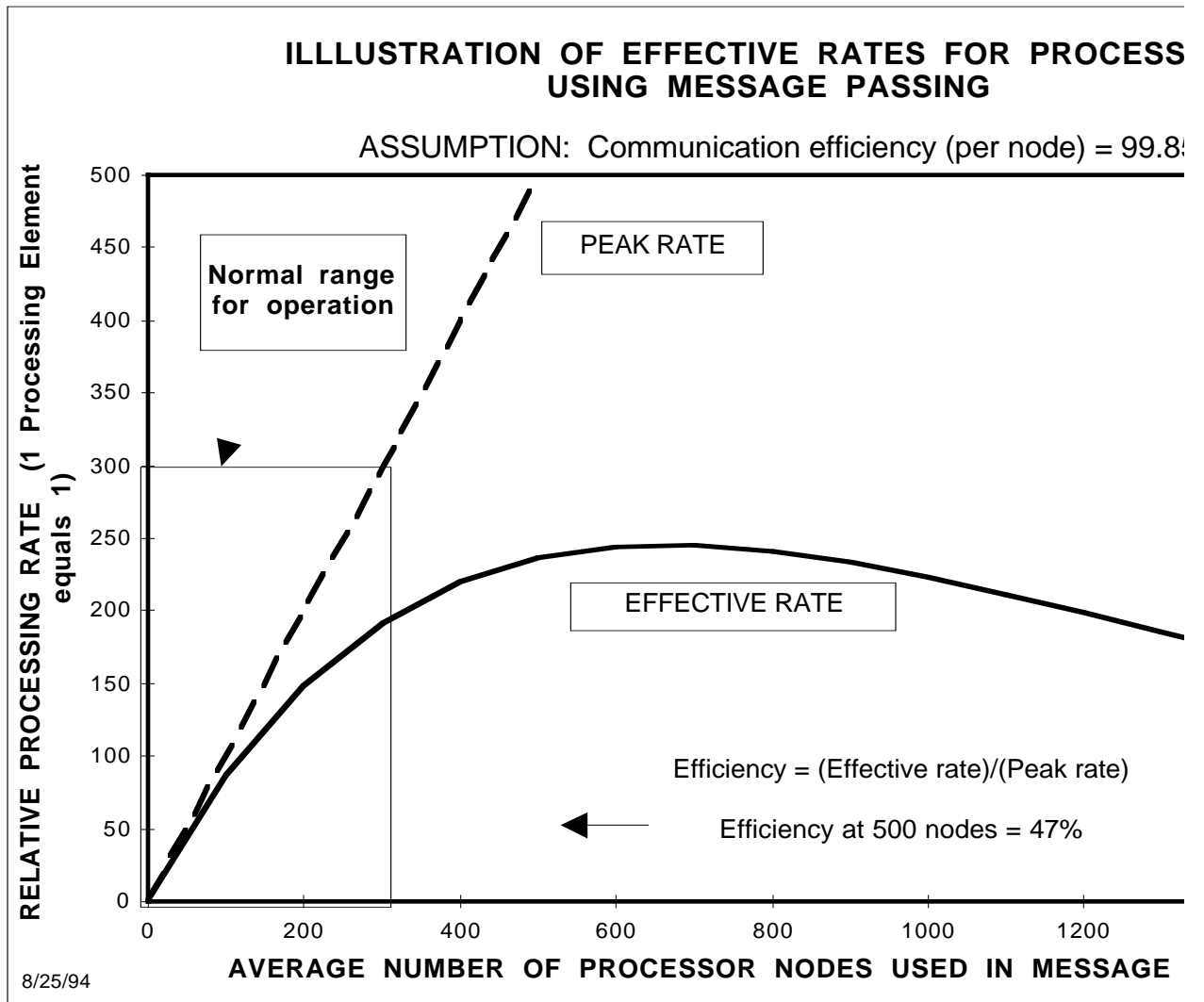


Figure No. 7 Possible Cost for Processors, Assuming Commodity (

Figure No. 8 A Processing System Needs Efficient Access to Data

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File = Reports/Report #23/Other Data/Misc Data/Chart 1



Figure No. 9 Effective Rates Could Be Far Below Peak Rates

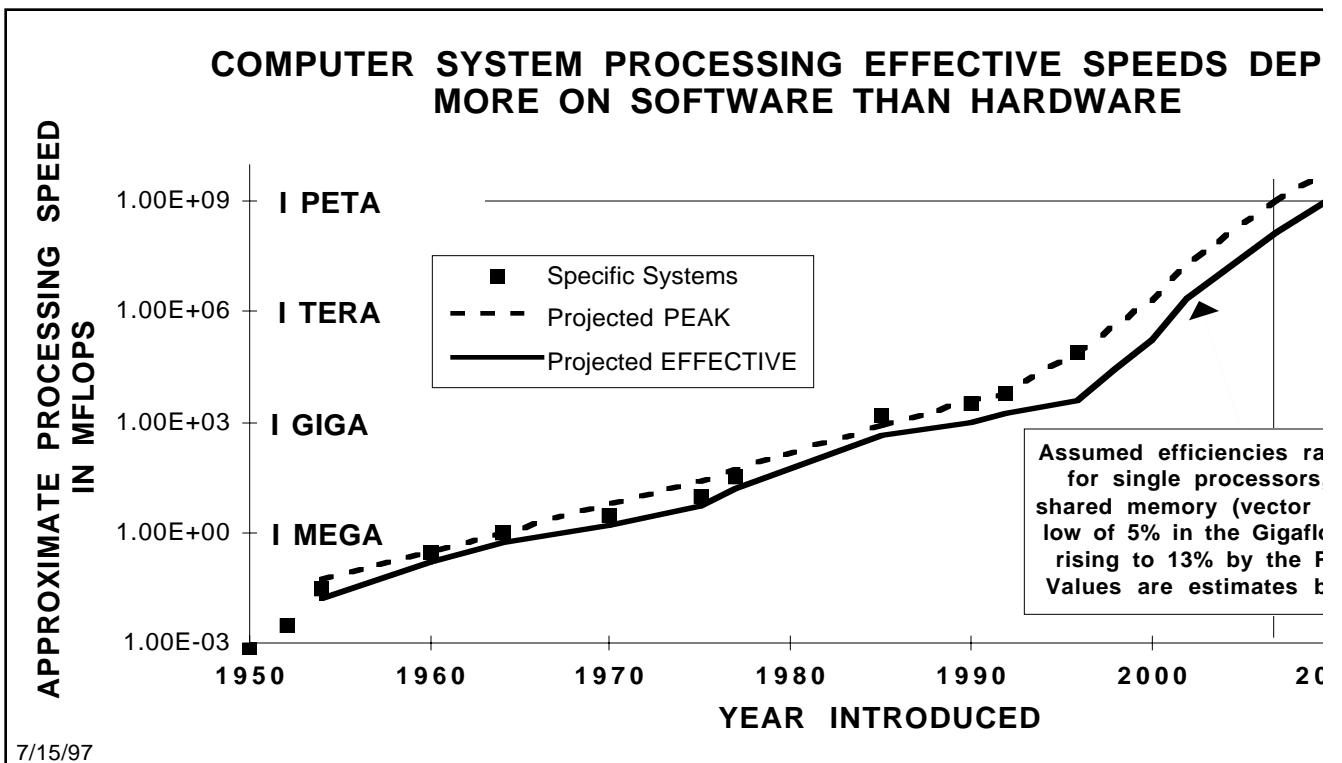
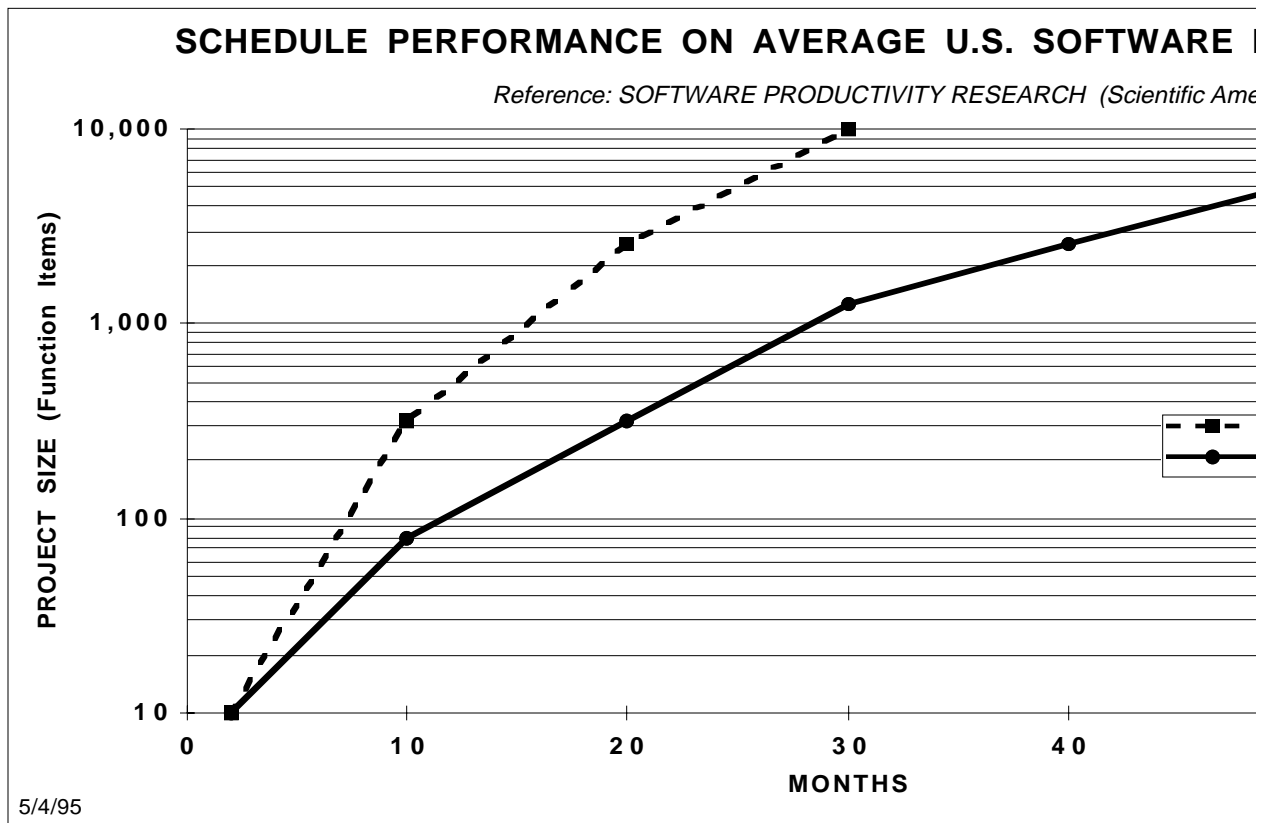


Figure No. 9 Effective Rates Could Be Far Below Peak Rates

Figure No. 10 The Average Software Project Will be Completed Very Late

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File = Report #23/Other Data/Programming/S/W schedule

Figure No. 11 The Bigger the Problem, the Less Likely it Will be Finished

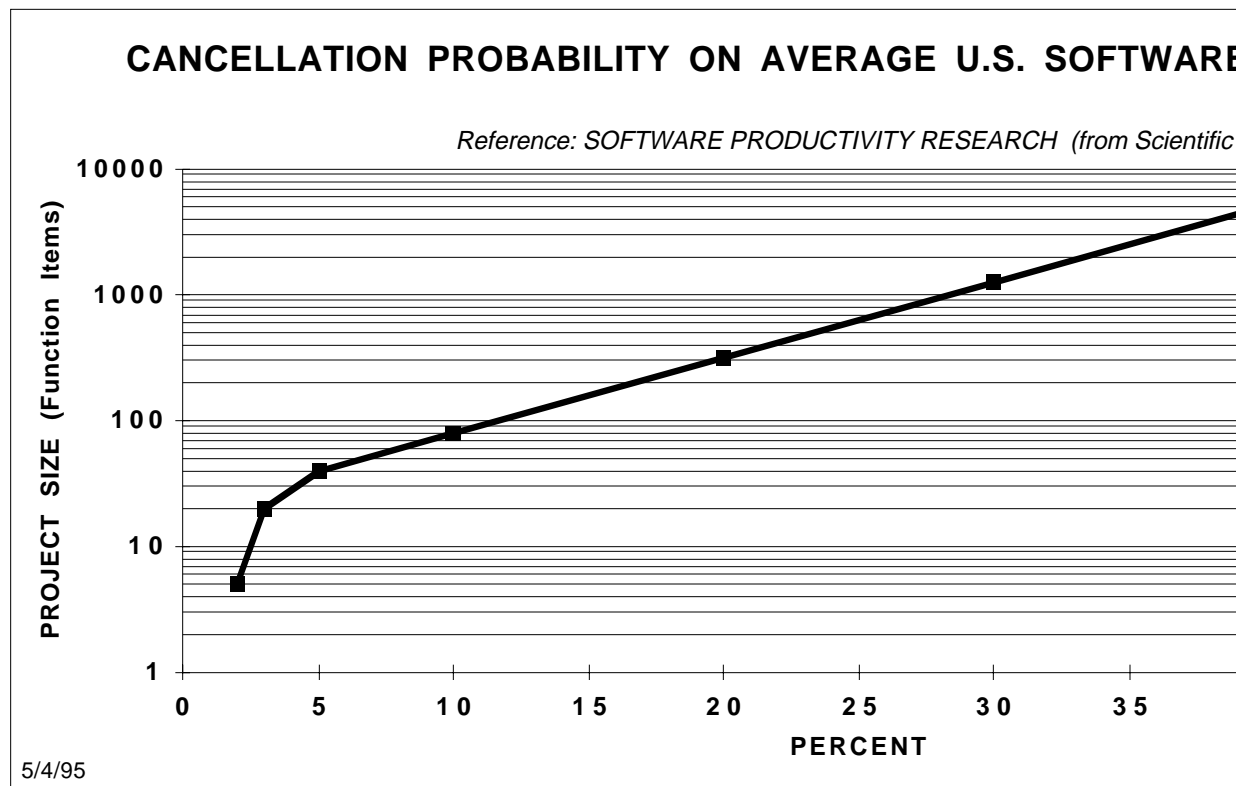


Figure No. 11 The Bigger the Problem, the Less Likely it Will be Fini

## **APPENDINDIX D: FIGURES (Full Size)**